SDP and multicast scoping
(draft-perkins-sdp-scoping-00.txt)

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Problem...

• SDP contains a multicast address
  c=IN IP4 224.2.17.12/127

• That address is not necessarily globally unique
  – may be reused if admin scoping is in use

• Can’t tell from the SDP if the address is valid in a particular scope zone
Solutions...

• Announce the session with SAP
  – uses the same scope as the media
  – can receive the data if you get the announcement
  – not always suitable

• Include a “scope identifier” in the session description
  
c=IN IP4 224.2.17.12/127
  a=zone:foo
How to choose the scope identifier?

• MZAP has a scope name
  – for “human convenience”
  – optional, language dependent
  – not necessarily unique

• Would require...
  – mandatory scope names
  – an allocation policy/registry
How to choose the scope identifier?

- MZAP zone ID
  - unique, but may change with time
  - may be static enough?
- Probably the best option we have right now
Concluding

- Is this a problem we need solve?
- Is using the zone ID sufficient?
- Any other alternatives?
  - Include list of all border routers in the SDP?
  - May be easier to solve if the source and receiver are in the same scope?